

04/856822

COF

PTO/SB/21 (09-04) (AW 10/2004)

Approved for use through 7/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)  Total Number of Pages in This Submission 14	Patent Number	6,804,103 <b>B1</b>
	Issue Date	October 12, 2004
	First Named Inventor	Kozo Murakami, et al.
	Art Unit	2836
	Examiner Name	Stephen W. Jackson
	Attorney Docket No.	MAT-8136US

RECEIVED  
FEB 11 2005  
CERTIFICATES OF CORRECTION

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s)  <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s)  <input type="checkbox"/> Licensing-related Papers  <input type="checkbox"/> Petition  <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer  <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC  <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)  <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Request Certificate of Correction with Supporting Documents; PTO- 1050; Return Receipt Postcard
Remarks:		

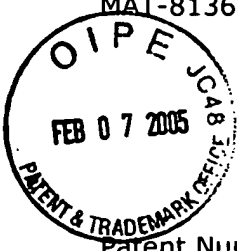
SIGNATURE OF APPLICANT, ATTORNEY OR AGENT			
Firm Name	RatnerPrestia		
Signature			
Printed Name	Lawrence E. Ashery		
Date	February 3, 2005	Registration No.	34,515

CERTIFICATE OF TRANSMISSION / MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:			
Signature			
Typed or Printed Name	Donna M. Wellings	Date	February 3, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Office, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, ALEXANDRIA, VA 22313-1450.

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FEB 16 2005

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Patent Number: 6,804,103  
Issued: October 12, 2004  
Name of Patentee: Kozo Murakami, et al.  
Title of Invention: ELECTRONIC COMPONENT AND METHOD  
FOR MANUFACTURING THE SAME

**REQUEST FOR CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKE (37 C.F.R. § 1.322(a))**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Attention: Certificate of Correction Branch

1. Attached in duplicate is Form PTO-1050 with at least one copy being suitable for printing.
2. Correction of the Official Letters Patent is respectfully requested in view of the following text which appears correctly in the application file:

On the Cover Page, at (56), References Cited, FOREIGN PATENT DOCUMENTS  
"WO 09-026307" should read --JP 09-026307--  
as written in the Information Disclosure Statement dated June 16, 2004.

On the Cover Page, at (57) ABSTRACT:

Line 4, "13" should be deleted as written in the Preliminary Amendment  
filed May 26, 2001.

Line 5, "26" should be deleted as written in the Preliminary Amendment  
filed May 26, 2001.

Line 6, "14" should be deleted as written in the Preliminary Amendment  
filed May 26, 2001.

Line 7, "26" should be deleted as written in the Preliminary Amendment  
filed May 26, 2001.

Line 8, "13" should be deleted as written in the Preliminary Amendment  
filed May 26, 2001.

Line 8, "15" should be deleted as written in the Preliminary Amendment

filed May 26, 2001.

Line 9, "17" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 9, "16" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 9, "17" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 10, "14" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 11, "19" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 12, "17" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 12, "19" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 13, "18a" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 14, "18b" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

Line 15, "13" should be deleted as written in the Preliminary Amendment filed May 26, 2001.

3. Please send the Certificate to:

Name: Lawrence E. Ashery  
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

FEB 16 2005

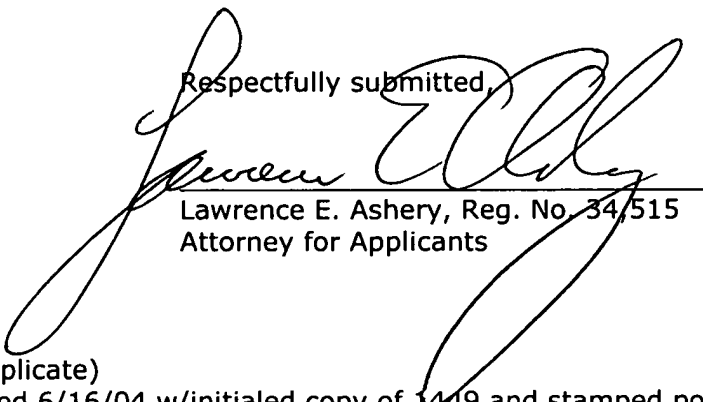
Name of Assignee: Matsushita Electric Industrial Co., Ltd.

Assignment Recorded on: August 27, 2001

Reel: 012168

Frame: 0151

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/ds/dmw

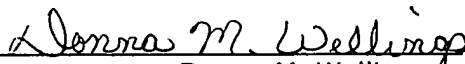
Enclosure: Form PTO-1050 (in duplicate)  
Supplemental IDS dated 6/16/04 w/initialialed copy of 1449 and stamped postcard  
Preliminary Amendment filed 5/26/01 (cover page, signature page, amended abstract) and stamped postcard

Dated: February 3, 2005

P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

The Commissioner for Patents is hereby authorized to charge payment to Deposit Account No. 18-0350 of any fees associated with this communication.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 Attn: Decision and Certificate of Correction Branch of the Patent Issue Division on February 3, 2005.

  
Donna M. Wellings

DAS\_I:\MAT\8136US\REQCERR.DOC



Commissioner for Patents:

Date: June 16, 2004

Please acknowledge receipt of the document(s) described below by imprinting the Patent and Trademark Office "date-stamp" hereon and returning this card to the address indicated on the reverse side.

FILE NO. MAT or MTS- 8136 US

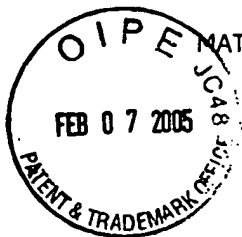
FEE DUE? NO or \$ 180,000 **OIPE JC189**

NAME: K. Murakami et al.

- ☒ IDS and PTO Form 1449 (2 pp.) (SUPPLEMENTAL YES or NO)  
☒ Amendment (18 pp.) (PRELIMINARY: YES or NO)  
☒ Copy of 5 reference(s) **RECEIVED**  
☐ Verification of a Translation ☐ Copy of Search Report  
☐ Claim To Right of Priority ☐ Petition for Ext. of Time (90 pp.)  
☐ Response to Missing Parts ☐ Priority Document(s) (CERT)  
☐ Form 1390 ☐ Certificate of Express mailing ☐ Copy of Formalities Letter ( 371 )  
☐ Declaration/POA (1 pp.) ☐ Fee Transmittal ☐ RCE Transmittal  
☐ Assignment & Form 1595 (4 pp.) ☐ Issue Fee and Publication Fee ☒ Transmittal Form  
☐ 1 Sheets of Drawings (Formal) ☐ Submission of Formal Drawings  
☐ Certificate of Correction and 1050 ☐ Status Request  
☐ Response to Restriction Requirement ☒ 1 Check(s)

USSN: 09/856,822

COPY



MAT-8136US

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appln. No: 09/856,822  
Applicant: K. Murakami et al.  
Filed: August 27, 2001  
Title: ELECTRONIC COMPONENT AND METHOD FOR  
MANUFACTURING THE SAME  
TC/A.U.: 2836  
Examiner: Stephen W. Jackson  
Confirmation No.: 3712  
Docket No.: MAT-8136US

**SUPPLEMENTAL**  
**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

COPY

S I R :

Pursuant to 37 C.F.R. §§ 1.97 and 1.98 and to the duty of disclosure set forth in 37 C.F.R. § 1.56, the Examiner in charge of the above-identified application is requested to consider and make of record the references listed on the PTO 1449 (RP) submitted herewith. A copy of each of the listed references is also enclosed.

Although the information submitted herewith may be "material" to the Examiner's consideration of the subject application, this submission is not intended to constitute an admission that such information is "prior art" as to the claimed invention.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.

The following Japanese references are not in the English language:

- 1) 07-283684
- 2) 07-321595
- 3) 09-026307

4) 09-162691

5) 09-229646

References 1) to 5) include an English language abstract.

More than three months have elapsed since the filing of the above-referenced application and a first (non-Final) Official Action has been received. No Final Action or Notice of Allowance has yet been received and it is presumed that none has yet been mailed. Accordingly, the required fee set forth in 37 C.F.R. § 1.17(p) is provided herewith.

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/fp

Enclosures: PTO Form 1449  
Copies of (#5) References (Abstracts only)  
Transmittal Form  
Fee Transmittal and check

Dated: June 16, 2004

P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

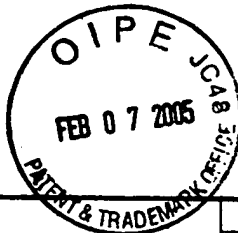
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June 16, 2004



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Substitute for Form 1041-A/PTO

*(Use as many sheets as necessary)*

**SHEET 1 of 1**






**Complete if Known**

Application Number	09/856,822
Filing Date	August 27, 2001
First Named Inventor	Kozo Murakami et al.
Art Unit	2836
Examiner Name	Stephen W. Jackson
Attorney Docket No.	MAT-8136US

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date (MM-DD-YYYY)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>2</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)				
		JP 07-283684 (Abstract only)	10/27/95	JAPAN ENERGY CORP.		<input type="checkbox"/>
		JP 07-321595 (Abstract only)	12/08/95	MATSUSHITA ELEC IND CO LTD		<input type="checkbox"/>
		JP 09-026307 (Abstract only)	01/28/97	MATSUSHITA ELEC IND CO LTD		<input type="checkbox"/>
		JP 09-162691 (Abstract only)	06/20/97	ROHM CO LTD.		<input type="checkbox"/>
		JP 09-229646 (Abstract only)	09/05/97	MATSUSHITA ELEC IND CO LTD		<input type="checkbox"/>
						<input type="checkbox"/>

**Examiner  
Signature**

Date Considered

7-9-04

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<sup>1</sup>Applicant's unique citation designation number (optional).

<sup>2</sup>See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>3</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

\*Applicant is to place a check mark here if English language translation is attached.

The collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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09/856822

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May 26 20 01

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FILE NO. <sup>MAT</sup> 13645 FEE DUE? ☒ YES-NO AMT ENC'D

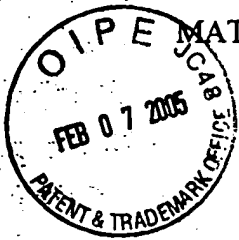
NAME: K. Muralam, et al

DOCUMENTS: PTO-1390(2), Int'l app. as filed; English translation of Int'l app. (25 pgs); (7) sheets English translation of Int'l drawings; Unexecuted Doc/Pat. Preliminary Amendment (8 pgs); IDS; PTO-1449 w/7 rfs; Search Report

New National Phase Appln.

JC03 Rec'd PCT/PTO 26 MAY 2001

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MAT-8136US

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: K. Murakami et al. : Art Unit:  
Serial No.: To Be Assigned : Examiner:  
Filed: Herewith :  
FOR: ELECTRONIC COMPONENT AND :  
METHOD FOR MANUFACTURING THE  
SAME

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

S I R :

Prior to examination, please amend the above application as follows:

IN THE SPECIFICATION:

After the title and before the first paragraph, please insert the following paragraph:

THIS APPLICATION IS A U.S. NATIONAL PHASE APPLICATION OF  
PCT INTERNATIONAL APPLICATION PCT/JP00/06646.

IN THE DRAWINGS:

Please delete page "7/7" of the drawings, also labeled as "REFERENCE  
NUMERALS IN THE DRAWINGS" in its entirety.

COPY

IN THE ABSTRACT:

Please replace the abstract with the new abstract which is attached as a separate sheet.

Respectfully submitted,

  
Lawrence E. Ashery, Reg. No. 34,515  
Attorney for Applicants

LEA/lm

Enclosure: Version With Markings Showing Changes Made  
Amended Abstract

Dated: May 26, 2001

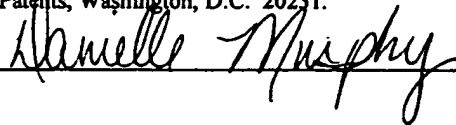
Suite 301, One Westlakes, Berwyn  
P.O. Box 980  
Valley Forge, PA 19482-0980  
(610) 407-0700

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authorized to charge payment to Deposit Account  
No. 18-0350 of any fees associated with this  
communication.

**EXPRESS MAIL** Mailing Label Number: EL741593293US

Date of Deposit: May 26, 2001

I hereby certify that this paper and fee are being deposited, under 37 C.F.R. § 1.10 and with sufficient postage, using the "Express Mail Post Office to Addressee" service of the United States Postal Service on the date indicated above and that the deposit is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

  
\_\_\_\_\_

COPY

substantially on a same plane.

8. (Once Amended) The electronic component of claim 1 ~~or claim 2~~, wherein the length of a non-shielded electrode portion along a direction connecting the internal contact electrode and the chip is greater than the value of focus shift margin of a lens used for recognizing a boundary between said internal contact electrode and non-shielded electrode portion.

9. (Once Amended) The electronic component of claim 1 ~~or claim 2~~, wherein a side, facing the internal contact electrode, of the non-shielded electrode portion has a length that is greater than the value of a gap between the internal contact electrodes.

Claims 16-22 have been added.

ABSTRACT:

SUMMARY ABSTRACT

An electronic component, in which a chip can be mounted on a certain predetermined place of the package at a high accuracy level, which package  
5 having a stepped level-difference in the inner wall of a cavity. The package ~~13~~ is provided with a stepped level-difference ~~26~~ in the inner wall surface, and an internal contact electrode ~~14~~ formed on the upper surface of the stepped level-difference ~~26~~. At the bottom of the package ~~13~~ is a shield electrode ~~15~~, on which a chip ~~17~~ is mounted via an adhesion layer ~~16~~. The chip ~~17~~ and the internal  
10 contact electrode ~~14~~ are electrically connected by an interconnection wire ~~19~~. Location aligning for the chip ~~17~~ and the interconnection wire ~~19~~, at least either one of these, is conducted by making use of a region ~~18a, 18b~~, which is non-electrode portion, provided on the inner bottom surface of the package ~~13~~.

COPY

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

**PATENT NO: US 6,804,103 B1**  
**DATED: October 12, 2004**  
**INVENTORS: KOZO MURAKAMI, ET AL.**

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

**Cover Page:**

At (56), References Cited, Foreign Patent Documents,  
Delete "WO 09-026307" and insert --JP 09-026307--

**At (57) ABSTRACT:**

Line 4, delete "13"  
Line 5, delete "26"  
Line 6, delete "14"  
Line 7, delete "26"  
Line 8, delete "13"  
Line 8, delete "15"  
Line 9, delete "17"  
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Line 9, delete "17"  
Line 10, delete "14"  
Line 11, delete "19"  
Line 12, delete "17"  
Line 12, delete "19"  
Line 13, delete "18a"  
Line 14, delete "18b"  
Line 15, delete "13"

Mailing Address of Sender:

Patent No. 6,804,103 B1

RatnerPrestia  
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

This collection of information is required by 37 CFR 1.322, 1.323 and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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**FEB 16 2005**

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

**PATENT NO: US 6,804,103 B1**  
**DATED: October 12, 2004**  
**INVENTORS: KOZO MURAKAMI, ET AL.**

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Line 12, delete "17"  
Line 12, delete "19"  
Line 13, delete "18a"  
Line 14, delete "18b"  
Line 15, delete "13"

Mailing Address of Sender:

Patent No. 6,804,103 B1

RatnerPrestia  
P.O. Box 980  
Valley Forge, PA 19482  
(610) 407-0700

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**FEB 16 2005**